

## CLAIMS:

1. Magneto-optical device comprising a magneto-optical read and/or a write head with a coil holder (6, 9) comprising a coil (5), and a means for generating a laser beam (1), wherein the laser beam is passed through an aperture (12) in the coil (5) during operation, which coil holder comprises a recess with a recess depth (h) at or around the position of the center of the coil, and a lens (4) extends, viewed from the disk, behind the coil so as to overlap the coil at least partly.
2. Magneto-optical device as claimed in claim 1, characterized in that the recess is restricted to an area within the aperture in the coil.
3. Magneto-optical device as claimed in claim 1, characterized in that the coil (5) is positioned in the recess.
4. Magneto-optical device as claimed in claim 1, characterized in that the depth of the recess (h) is less than twice the free working distance (FWD).
5. Magneto-optical device as claimed in claim 4, characterized in that the depth of the recess is less than the free working distance.
6. Magneto-optical device as claimed in claim 4 or 5, characterized in that the depth of the recess (h) is more than half the free working distance.
7. Read and/or write head presenting all the features of the head disclosed in any one of the preceding claims and being thus constructed and evidently intended for use in the magneto-optical device as claimed in any one of the preceding claims.